

CLAIMS

1. A biaxially oriented polyester film wherein a microscopic Raman crystallization index I_c measured in the thickness direction of said film is in a range of 8 cm^{-1} to 15 cm^{-1} and a difference between the maximum value and the minimum value of said I_c is 1 cm^{-1} or less.
2. The biaxially oriented polyester film according to claim 1, wherein a difference between the maximum value and the minimum value of a microscopic Raman crystallization index I_c measured in the plane direction of said film is 1 cm^{-1} or less.
3. A biaxially oriented polyester film wherein a relative power (I^{10}_{TD}) of spatial frequency ($1/\text{mm}$) measured along the transverse direction of at least one surface of said polyester film having been heat treated at 100°C for 24 hours is in a range of -25 to 0 dB.
4. The biaxially oriented polyester film according to claim 3, wherein a difference in intensity (I^{10-200}_{TD}) between relative powers of spatial frequencies 10 and 200 ($1/\text{mm}$) measured along the transverse direction of at least one surface is in a range of 5 to 20 dB.
5. The biaxially oriented polyester film according to claim 1 or 3, wherein the sum of Young's modulus in the longitudinal direction and Young's modulus in the transverse direction is in a range of 11,000 to 15,000 MPa.
6. The biaxially oriented polyester film according to claim 1 or 3, wherein polyester is polyethylene terephthalate.
7. The biaxially oriented polyester film according to claim 1 or 3, wherein said film is used as a base film for a magnetic recording medium according to a linear recording system.

8. The biaxially oriented polyester film according to claim 1 or 3, wherein said film is used as a base film for a magnetic recording medium of a double layer metal coated digital recording type.